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Date July 22, 2005
To Examiner Michelle Connelly Cushwa
Of USPTO, Art Unit 2874
Fax 571-273-2345
From Laura Moskowitz
Subject Proposed Amendments to Claims 104 and 105
Our Ref Q69113 U.S. Application No. 10/088,758
Pages 3
(including cover sheet)

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Examiner Cushwa,

Here are the revised claims as we discussed. Please let me know if there are any other issues with this case.

Thanks again for your additional careful consideration of this case.

Best Regards,

Laura Moskowitz

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104. An optical waveguide for outputting light of a substantially single predetermined wavelength, the optical waveguide comprising:

a light conducting medium (2) defining a longitudinally extending optical path (15) for guiding the light, the optical path (15) extending longitudinally between respective spaced apart first and second ends (8,9), and

a means (20,21) for causing partial longitudinal reflections of the light along the optical path (15) at ~~a plurality of~~ at least three spaced apart partial reflecting locations (20) along the optical path (15) for deriving light of the predetermined wavelength, wherein the means (20,21) for causing the partial reflections locates the reflecting locations (20) along the optical path (15) at distances from the first end (8) along the optical path (15) which correspond to the following fractions of the actual length of the optical path, namely, $1/16$, $1/8$, $3/16$, $1/4$, $5/16$, $3/8$, $1/2$, $5/8$ and $3/4$, so that account is taken of alteration to the actual length of the optical path (15) resulting from the effect of the means (20,21) for causing the partial reflections on the actual length of the optical path (15), and so that the standing waves set up between the first end and each of the reflecting locations, and the standing wave or waves set up between any two of the reflecting locations, and the standing wave set up between the first and second ends, are all in harmonic relationship with each other.

105. An optical waveguide for outputting light of a substantially single predetermined wavelength, the optical waveguide comprising:

a light conducting medium (2) defining a longitudinally extending optical path (15) for

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guiding the light, the optical path (15) extending longitudinally between respective spaced apart first and second ends (8,9), and

a means (20,21) for causing partial longitudinal reflections of the light along the optical path (15) at ~~a plurality of~~ at least three spaced apart partial reflecting locations (20) along the optical path (15) for deriving light of the predetermined wavelength, wherein the means (20,21) for causing the partial reflections locates the reflecting locations (20) along the optical path (15) at distances from the first end (8) along the optical path (15) which correspond to the following fractions of the actual length of the optical path, namely, $1/14$, $1/7$, $3/14$, $2/7$, $3/7$, $4/7$ and $5/7$, so that account is taken of alteration to the actual length of the optical path (15) resulting from the effect of the means (20,21) for causing the partial reflections on the actual length of the optical path (15), and so that the standing waves set up between the first end and each of the reflecting locations, and the standing wave or waves set up between any two of the reflecting locations, and the standing wave set up between the first and second ends, are all in harmonic relationship with each other.

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